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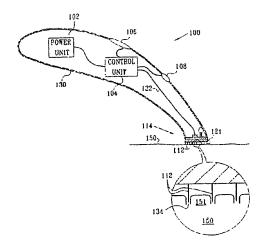
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(54) Title: HANDHELD TRANSDERMAL DRUG DELIVERY AND ANALYTE EXTRACTION



(57) Abstract: Apparatus (20) for application to skin of a subject is provided. The apparatus includes a board (30) having a first surface and a second surface, the first surface including a plurality of ablation electrodes (41), which are adapted to be applied to the skin, and the second surface including one or more contact pads (32), each one of the contact pads electrically coupled to at least one of the ablation electrodes. The apparatus further includes one or more driving electrodes (28). An energy applicator (e.g., motor 22), coupled to the driving electrodes, is adapted to pass the driving electrodes over the contact pads. A power source (e.g., power unit 102) is adapted to drive a current from the driving electrodes, to the contact pads, and to the ablation electrodes. The current is capable of ablating at least a portion of stratum corneum of the skin in a vicinity of the ablation electrodes, so as to facilitate transdermal transport of a substance.

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INTERNATIONAL SEARCH REPORT

International application No.

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US CL : 707/102 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category * Citation of document, with indication, where ap	(00 00 1007) columns 6-8	1-31
Y US 5,666,543 A (GARTLAND) 09 September 1997 (09.09.1997), columns 6-8.		1-51
Y US 6,339,775 B1 (ZAMANIAN et al) 15 January 20	US 6,339,775 B1 (ZAMANIAN et al) 15 January 2002 (15.01.2002), columns 4-6.	
Further documents are listed in the continuation of Box C.	See patent family annex.	
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